

OPTEC[®] EC-855

Efflorescence Control Admixture

Product Description

OPTEC[®]EC-855 is an efflorescence control admixture. It is formulated as a ready-to-use admixture to enhance the quality and color uniformity of low slump concrete products.

Product Advantages

- Improves color consistency
- Controls primary and secondary efflorescence
- Reduces feed and finish times
- Produces sharper corners and edges
- Improves compressive and flexural strengths
- Improves compaction consistency
- Reduces culls

Product Uses

OPTEC[®]EC-855 admixture may be used in plants producing segmental retaining wall units, architectural blocks, roof tiles, pavers and other low slump concrete products. It has been formulated to provide excellent mix plasticity and machinability.

Product Function

OPTEC[®]EC-855 admixture interacts and uniformly disperses the inorganic oxide pigments in the mixture, thus enhancing coloration by bringing more pigment to the concrete surface.

Once units are physically dry, OPTEC[®]EC-855 polymers minimize migration of moisture and soluble salts that cause unsightly efflorescence.

For these reasons the admixture must be thoroughly dispersed during the mixing of the concrete. Please refer to the mixing procedure section.

Packaging

OPTEC[®]EC-855 admixture is available in drums and totes.

Application Information

OPTEC[®]EC-855 admixture is compatible with most concrete admixtures. When multiple admixtures are used however, they must be added separately to the concrete mixture.

Addition Rates:

The typical addition rates of OPTEC®EC-855 admixture will normally range from 390 to 780 mL/100 kg (6 to 12 fl oz/100 lbs) of cementitious materials including fly ash and other pozzolans.

The addition rate is dependent upon the specific set of materials and the desired properties.

Mixing Procedure:

Maximum product efficiency is achieved by adding OPTEC®EC-855 admixture to the mixer after the cement has been wetted. As with all admixtures, do not add OPTEC®EC-855 admixture to dry cement. Allow at least 90–120 seconds total mix time after the admixture has been added, depending on the efficiency of the mixing equipment that is being utilized.

Health & Safety

All precautions defined on the SDS (Safety Data Sheet) for OPTEC®EC-855 must be followed.

Storage

OPTEC®EC-855 admixture contains no flammable ingredients. It will begin to freeze at approximately 0 °C (32 °F), but can be used after thawing and thorough agitation. Do not use pressurized air for agitation.

ca.gcpat.com | North America customer service: 1-877-4AD-MIX (1-877-423-6491)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

OPTEC is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Suite 450, Alpharetta, GA 30009, USA

GCP Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This document is only current as of the last updated date stated below and is valid only for use in the Canada. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2023-06-29

ca.gcpat.com/solutions/products/optec-ec-855